

Fifth Annual Simulation-Based Quality Improvement and Research Forum
May 11, 2022
(Internet Live Course-RP2205C)

PROGRAM OVERVIEW

The Simulation-Based Quality Improvement and Research Forum is offered to faculty, residents, medical students, nurses, engineers, researchers, and other healthcare staff members to increase interprofessional collaboration in simulation, provide guidance in translating simulation training to clinical outcomes and to showcase high quality simulation-related education, research, as well as quality improvement projects. This program will offer a KeyNote speaker, virtual abstract presentations with an interactive Q&A, panel discussion on emerging ideas in simulation, poster sessions with interactive Q&A, and breakout workshops. Healthcare Professionals across multiple specialties who are involved and/or interested in simulation training, simulation-related research and quality improvement should attend.

TARGET AUDIENCE

This program is designed for Faculty, Physicians, Advanced Practice Providers, Nurses, Medical Students, Engineers, Allied Health Educators; Researchers; and other healthcare staff

EDUCATIONAL OBJECTIVES

At the conclusion of this activity, the participant should be able to:

1. List translational science studies that use simulation-based education to improve patient outcomes
2. Develop and implement simulation-based interventions that shape learners' competency
3. Describe and discuss methods to successfully collaborate on research efforts at UTSW and beyond in a variety of areas related to healthcare simulation

EDUCATIONAL METHODS

Didactic Presentations, Presentation Slides, Question and Answer Session

ACCREDITATION AND DESIGNATION STATEMENTS

The University of Texas Southwestern Medical Center is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The University of Texas Southwestern Medical Center designates this live activity for a maximum of **5.5 AMA PRA Category 1 Credit(s)™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OTHER HEALTHCARE PROFESSIONALS

The University of Texas Southwestern Medical Center certifies that non-physicians will receive an attendance certificate stating that they participated in the activity that was designated for **5.5 AMA PRA Category 1 Credits™**.

COURSE FACULTY AND PLANNERS:

Course Co-Directors:

Daniel Scott, M.D., FACS

Assistant Dean, Simulation and Student Integration
Graduate Medical Education
UT Southwestern Medical Center

Krystle Campbell, DHA, MS, CHSE

Operations Director
Simulation Center
UT Southwestern Medical Center

COURSE FACULTY AND PLANNERS (cont'd):

Other Contributors/Planning Committee

Joyce Borgfeld, DNP, NE-BC

Director, Clinical Education and Professional Practice
UT Southwestern Medical Center

Philip Greilich, MD

Professor, Anesthesiology & Pain Management
UT Southwestern Medical Center

Kavita Joshi, M.D.

Assistant Professor
Department of Emergency Medicine
UT Southwestern Medical Center

Kyairae McCray

Sr. Administrative Assistant II
Simulation Center
UT Southwestern Medical Center

Jamie Morgan, MD

Assistant Professor, Obstetrics & Gynecology
UT Southwestern Medical Center

Madhuri Nagaraj, MD

Clinical Fellow
Department of Surgery
UT Southwestern Medical Center

Ian Nazareno, BA

Simulation Coordinator
Simulation Center
UT Southwestern Medical Center

Office of Continuing Medical Education Staff

Deborah Y. Land, B.S.N., RN, M.P.H., CHCP
Associate Director, Office of Continuing Medical Education
UT Southwestern Medical Center

Exemption for Disclosure of Financial Relationships

As an organization accredited by the Accreditation Council for Continuing Medical Education (ACCME), The University of Texas Southwestern Medical Center, Office of Continuing Medical Education (UTSW CME) requires that the content of CME activities and related materials provide balance, independence, objectivity, and scientific rigor. Planning must be free of the influence or control of any ineligible company, and promote improvements or quality in healthcare. In accordance with ACCCME's Standards for Integrity and Independence in Accredited Continuing Education, all persons in the position to control the content of an education activity are required to disclose all financial relationships in any amount occurring within the past 24 months with any ineligible company producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on patients. UT Southwestern also considers ineligible those companies producing, marketing, selling, re-selling, or distributing healthcare products in development for future use on patients, such as healthcare product research companies. Accredited providers do not need to identify, mitigate, or disclose relevant financial relationships for accredited education that is non-clinical, such as leadership or communication skills training. In accordance with this exception, this activity content has been designated as exempt from the disclosure identification and mitigation process.

Certificates

CME Certificates will be available online. You will receive an email upon confirmation of your attendance to the conference, approximately 7 business days after the program. Confirmation of successful completion of this activity is provided to the CME Office by the Simulation Center. The e-mail will contain instructions for you to claim credit. Please note CME-Certified Sessions in agenda.. If you have any questions about claiming credit, please e-mail cmeregistrations@utsouthwestern.edu.

VIRTUAL MEETING
5TH Annual Simulation-Based
Quality Improvement and Research Forum
May 11, 2022

NOTE: CME-Certified Sessions in Red Font

7 a.m. – 8 a.m.

Introduction: **Daniel Scott, M.D., FACS**
Speaker Introduction: **Krystle Campbell, DHA, M.S., CHSE**
Keynote Address: **Teodor Grantcharov, M.D., Ph.D., FAC**

8 a.m. – 8:15 a.m.

Poster Viewing and Coffee Lounge

8:15a.m. – 8:51 a.m.

Oral Presentations – Session 1

1. Presentation: **Using Virtual Simulation and Reflective Discussion for Communication Skills Training in Interdisciplinary Health Care Teams**
Presenters: **Blake Nichols, M.D.; Bau Tran, M.M.S., Pharm.D.**
2. Presentation: **The Other Side of the Mirror: Improving Students' Simulation Interest Through Simulation Control Room Experiences**
Presenter: **Alexa Wilden, B.S.**
3. Presentation: **The Landscape of Diversity in Simulation-Based Education: A Systematic Review**
Presenter: **Priya Garigipati, B.A.**

8:51 a.m. – 9:27 a.m.

Oral Presentations – Session 2

4. Presentation: **Mapping Competencies and Core Professional Activities to the Summative Evaluation with Simulated Patient OSCEs**
Presenter: **Michel Statler, M.L.A., PA - C**
5. Presentation: **"Paging Doctor ...": A Virtual Teamwork Training Activity**
Presenter: **Devin Shah, B.A.**
6. Presentation: **Utilization of Simulation in EMS Clinician New Hire Training Leads to Improved Training Times**
Presenter: **Michael Griffith, A.A.S., LP**

9:27 a.m. – 10:03 a.m.

Oral Presentations – Session 3

7. Presentation: **Assessing Learners' Clinical Judgment Using Reflections After Observing Asynchronous Expert-Modeled Simulation: A Mixed Methods Study**
Presenter: **Beth Rogers, Ph.D., RN, CNE**
8. Presentation: **Peer Observers to Improve Safety Behaviors in Simulation: A QI Project** Presenter: **Erin Killingsworth, Ph.D.**
9. Presentation: **Effect of Blindfolding and Rapid-Cycle Deliberate Practice on Communication and Critical Action Mastery**
Presenter: **Sonika Raj, M.D.**

10:03 a.m. – 10:18 a.m.

Break – Poster Viewing and Coffee Lounge

10:18 a.m. – 10:54 a.m. Oral Presentations – Session 4

10. Presentation: **Robotic Console Position Affects Surgeon Muscle Activation** Presenter: Hal Kominsky, M.D.
11. Presentation: **Developing Artificial Intelligence Models for Medical Student Suturing and Knot-Tying Video-Based Assessment and Coaching**
Presenter: Madhuri Nagaraj, M.D., M.S.
12. Presentation: **Development of a Proficiency-Based Curriculum and Gathering Validity Evidence for a Low-Fidelity Kidney Transplant Anastomosis Model and Assessment Tool**
Presenter: Ronit Patnaik, M.D.

10:54 a.m. – 11:09 a.m. Highlight of the Simulation Innovation Award
Presenter: **Blake Nichols, M.D.**

11:09 a.m. – Noon Emerging Ideas

1. Presentation: **Utilizing a Simple Eye Model to Teach Funduscopic Exams During the COVID Pandemic**
Presenter: David Klocko, D.M.Sc., PA-C
2. Presentation: **Implementation of a Novel Thoracostomy Tube Trainer with Real-Time Feedback**
Presenter: Shruti Hegde, M.D.
3. Presentation: **Reducing Intraoperative Downtime Caused by Robotic Failures**
Presenter: John Norton, B.S.
4. Presentation: **Simulation to Improve Resident and Medical Student Operative Vaginal Delivery Knowledge and Skills**
Presenter: Joseph Fixler, M.D.
5. Presentation: **Keeping the Trach Safe: Emergency Airway and Tracheostomy Simulation**
Presenter: Rebecca Brooks, M.S.N., SPRN, PCNS-BC
Panelists: **Madhu Nagaraj, M.D., M.S.; Kim Hoggatt-Krumwiede, Ph.D.; Gil Salazar, M.D.**
Moderators: **Daniel Scott, M.D., FACS; Krystle Campbell, M.S., CHSE**

Noon – 1 p.m. Lunch Break + Rebroadcast Recording of Keynote

1 p.m. – 2:30 p.m. Ask the Experts Workshop Series (Live, Concurrent Sessions)

1. Workshop 1: **Ask the Experts About Task Simulation**
Moderator: **Daniel Scott, M.D.**
2. Workshop 2: **Ask the Experts About Team & High-Fidelity Simulation**
Moderator: **Krystle Campbell, DHA, M.S., CHSE**
3. Workshop 3: **Ask the Experts About Standardized Patient Simulation**
Moderator: **Thomas Dalton, M.D.**

2:30 p.m. – 3:00 p.m. Final Poster Viewing/Coffee Break

3:00 p.m. Meeting Adjourns

[See final brochure-5th Annual Simulation-Based Quality Improvement and Research Forum]